

METHOD OF MANUFACTURING CERAMIC HONEYCOMB STRUCTURE  
AND DEVICE FOR FORMING THROUGH HOLES

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ABSTRACT OF THE DISCLOSURE

10 A method of manufacturing a honeycomb structure and  
a through hole forming device used in the manufacture of  
the honeycomb structure are disclosed, in which the step  
of closing a part of the cell ends at an end surface of  
the honeycomb structure is rationalized. In closing a  
15 part of the cell ends (82) at the end surface (861) of a  
honeycomb structure body (86), a film (2) is attached to  
the end surface (861) of the honeycomb structure body  
(86) in such a manner as to cover the cell ends (82).  
The portion of the film (2) located at the cell ends (82)  
20 to be closed is thermally melted or burnt off thereby to  
form through holes (20). The end surface (861) is dipped  
in a slurry containing an end surface closing material,  
so that the slurry is caused to enter the cell ends (82)  
by way of the through holes (20). After that, the slurry  
25 is hardened while at the same time removing the resin  
film (2).

TOP SECRET